

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph on page 1, starting at line 5, as follows:

This application is related to and claims priority from U.S. Provisional Patent Application Ser. No. 60/252,861, filed Nov. 22, 2000, ~~and this application is also~~ a continuation-in-part application of application Ser. No. 09/358,505~~4~~ filed Jul. 21, 1999 and entitled "Method and Apparatus for Detecting Enzymatic Activity Using Molecules that Change Electrophoretic Mobility", now issued as U.S. Patent No. 6,335,201 (2002), which was in turn a continuation-in-part application of application Ser. No. 09/036,706 filed Mar. 6, 1998, and entitled "Fast Controllable Laser Lysis of Cells for Analysis" now issued as U.S. Pat. No. 6,156,576 (2000).

Please amend the Abstract on page 48, starting at line 5, as follows:

The activity of multiple proteins in a single living cell, portion of a cell or in a group of cells is simultaneously measured by introducing reporter molecules into the cell(s) or a portion thereof, chemically modifying the reporter(s) by the enzyme of interest, terminating the modification reactions, removing the reporter(s) and modified reporter(s), and determining the amount of enzyme activity present by measuring or comparing the amount of reporter(s) and modified reporter(s) present. ~~The reporter(s) is chemically modified by the enzyme of interest. In some cases the enzyme(s) is affected by the addition of a stimulus or a pharmaceutical compound to the cell. The reactions between the enzymes and the reporters are diminished or terminated, and the reporter and modified reporter are removed. The activity of the enzyme(s) is determined by measuring the amount of reporter remaining, the amount of altered reporter produced, or by comparing the amount of reporter to the amount of altered reporter. A database is compiled of the activities of the different proteins. By performing a series of experiments at different time points, conditions, and varieties of cell types, a database is developed for molecular cellular mechanisms in health and disease states. By exposing cells to a variety of compounds data for drug development and screening is provided.~~